S04P0310

FIG. 1

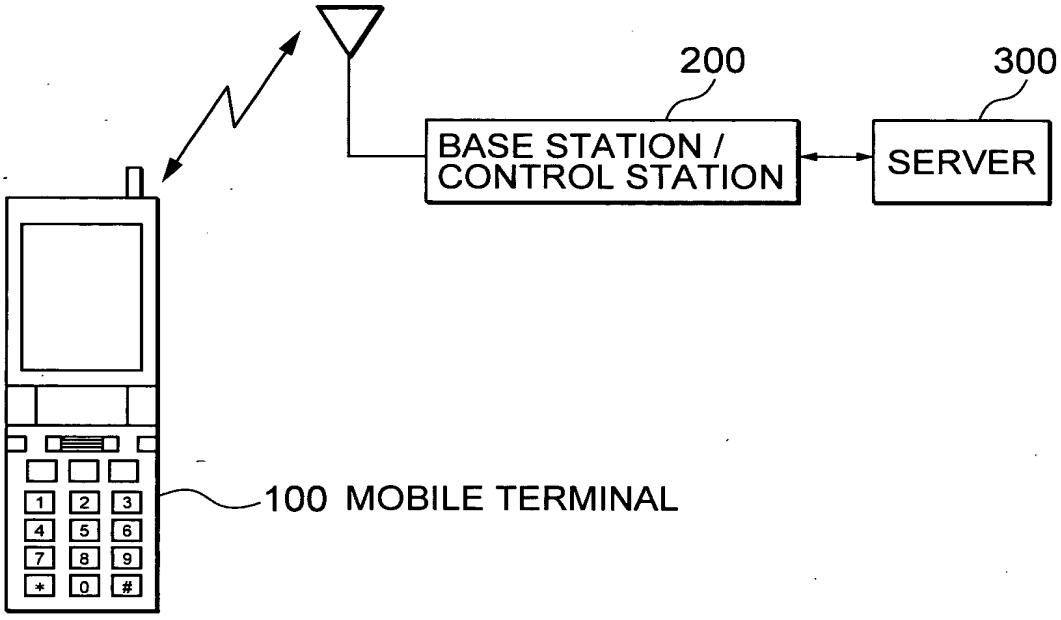


FIG. 2

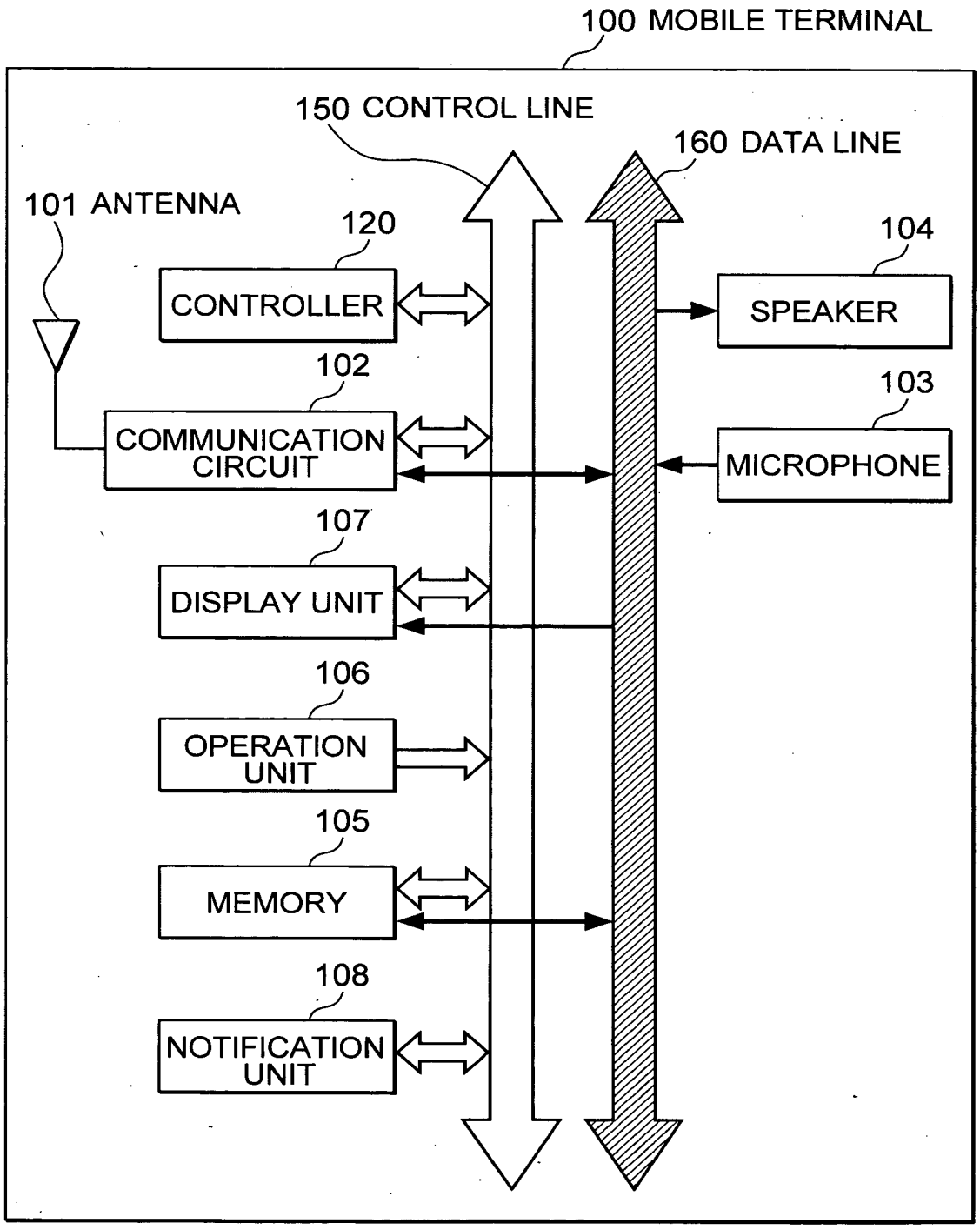

100 MOBILE TERMINAL
150 CONTROL LINE
160 DATA LINE
101 ANTENNA
120
CONTROLLER
104
SPEAKER
102
COMMUNICATION CIRCUIT
103
MICROPHONE
107
DISPLAY UNIT
106
OPERATION UNIT
105
MEMORY
108
NOTIFICATION UNIT

FIG. 3

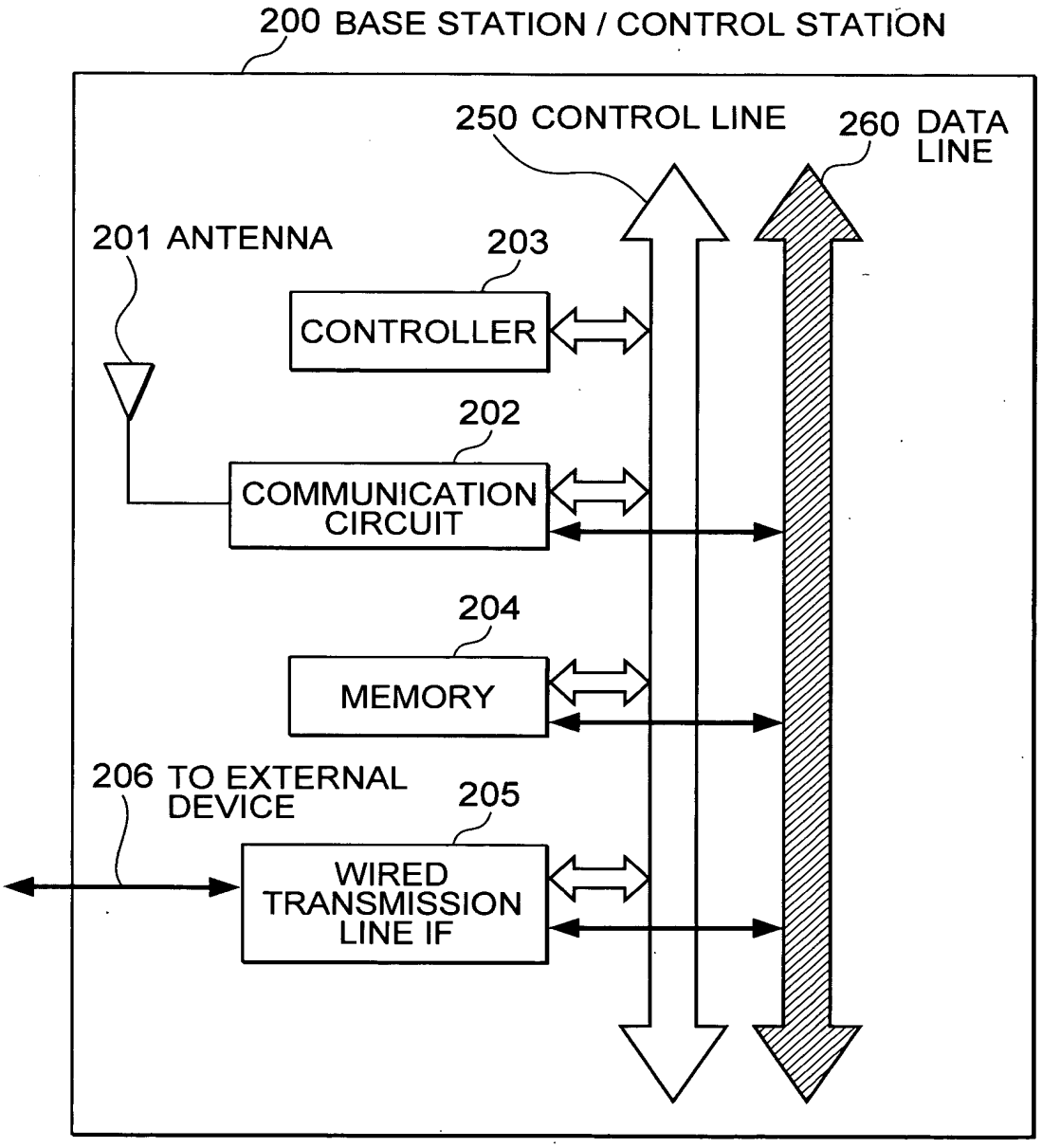

200 BASE STATION / CONTROL STATION
250 CONTROL LINE
260 DATA LINE
201 ANTENNA
203
CONTROLLER
202
COMMUNICATION CIRCUIT
204
MEMORY
206 TO EXTERNAL DEVICE
205
WIRED TRANSMISSION LINE IF

FIG. 4

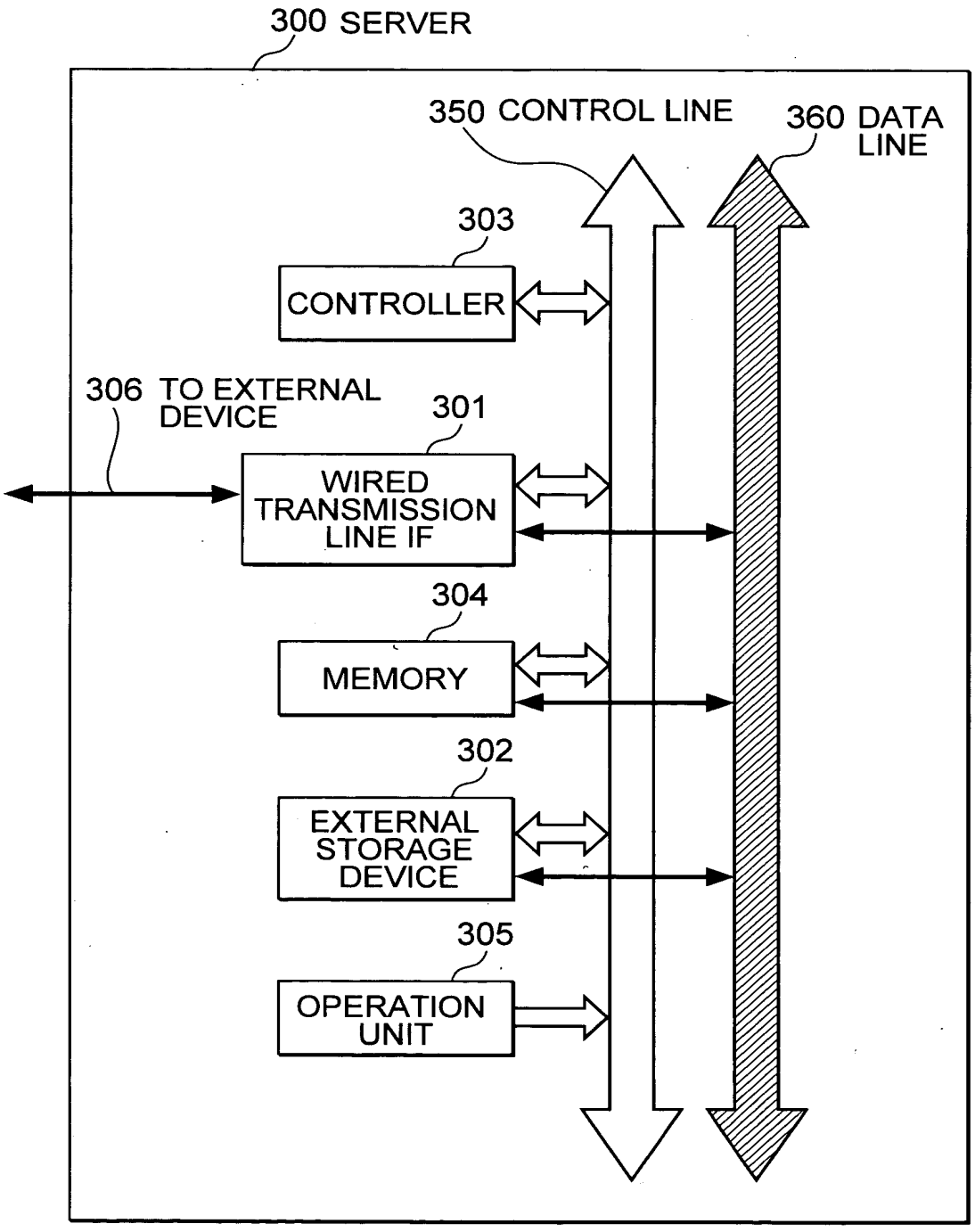

300 SERVER
350 CONTROL LINE
360 DATA LINE
303
CONTROLLER
306 TO EXTERNAL DEVICE
301
WIRED TRANSMISSION LINE IF
304
MEMORY
302
EXTERNAL STORAGE DEVICE
305
OPERATION UNIT

FIG. 5

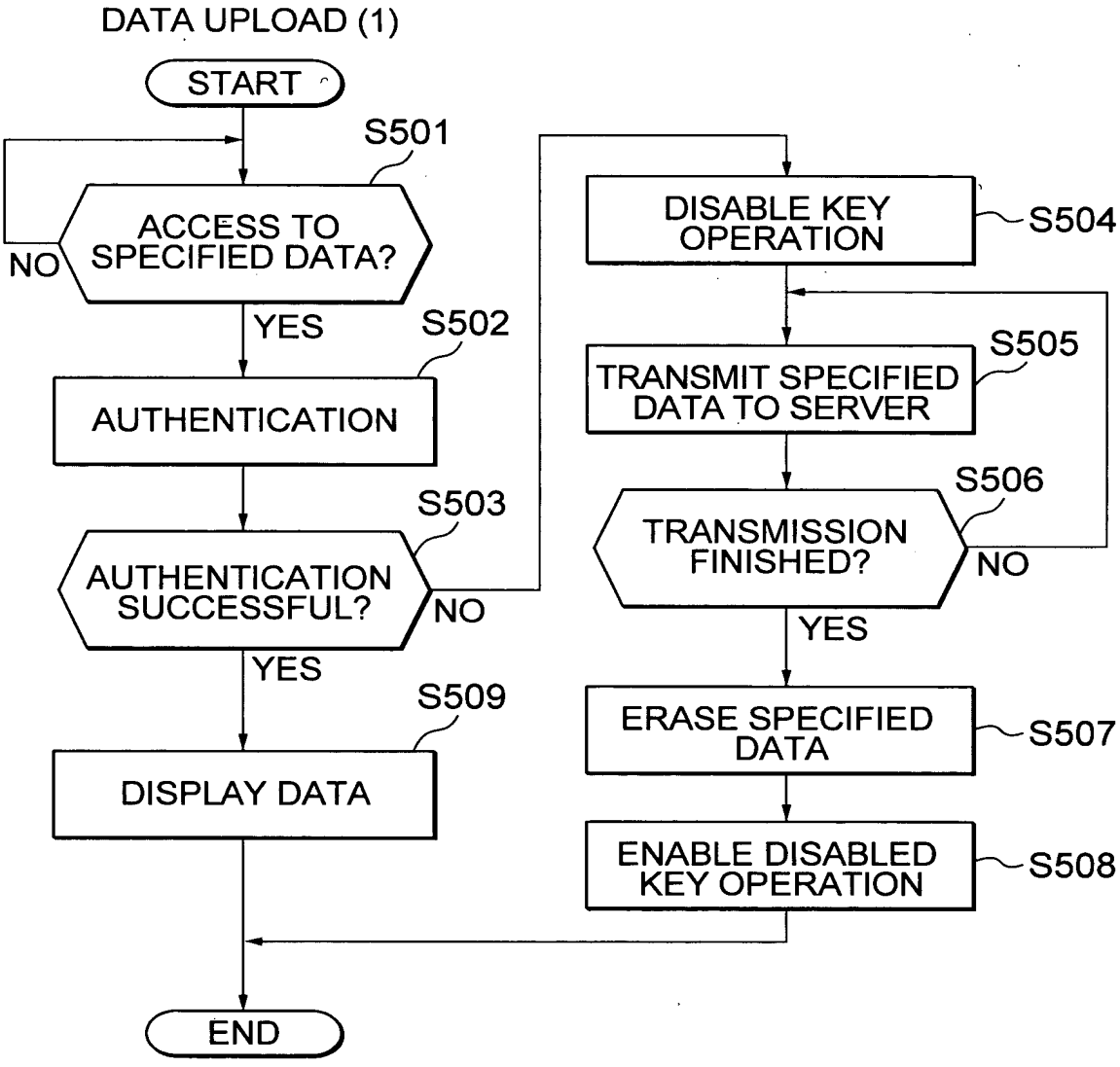

DATA UPLOAD (1)
START
S501
ACCESS TO SPECIFIED DATA?
NO
YES
S502
AUTHENTICATION
S503
AUTHENTICATION SUCCESSFUL?
NO
YES
S509
DISPLAY DATA
END
DISABLE KEY OPERATION
S504
S505
TRANSMIT SPECIFIED DATA TO SERVER
S506
TRANSMISSION FINISHED?
NO
YES
ERASE SPECIFIED DATA
S507
ENABLE DISABLED KEY OPERATION
S508

FIG. 6

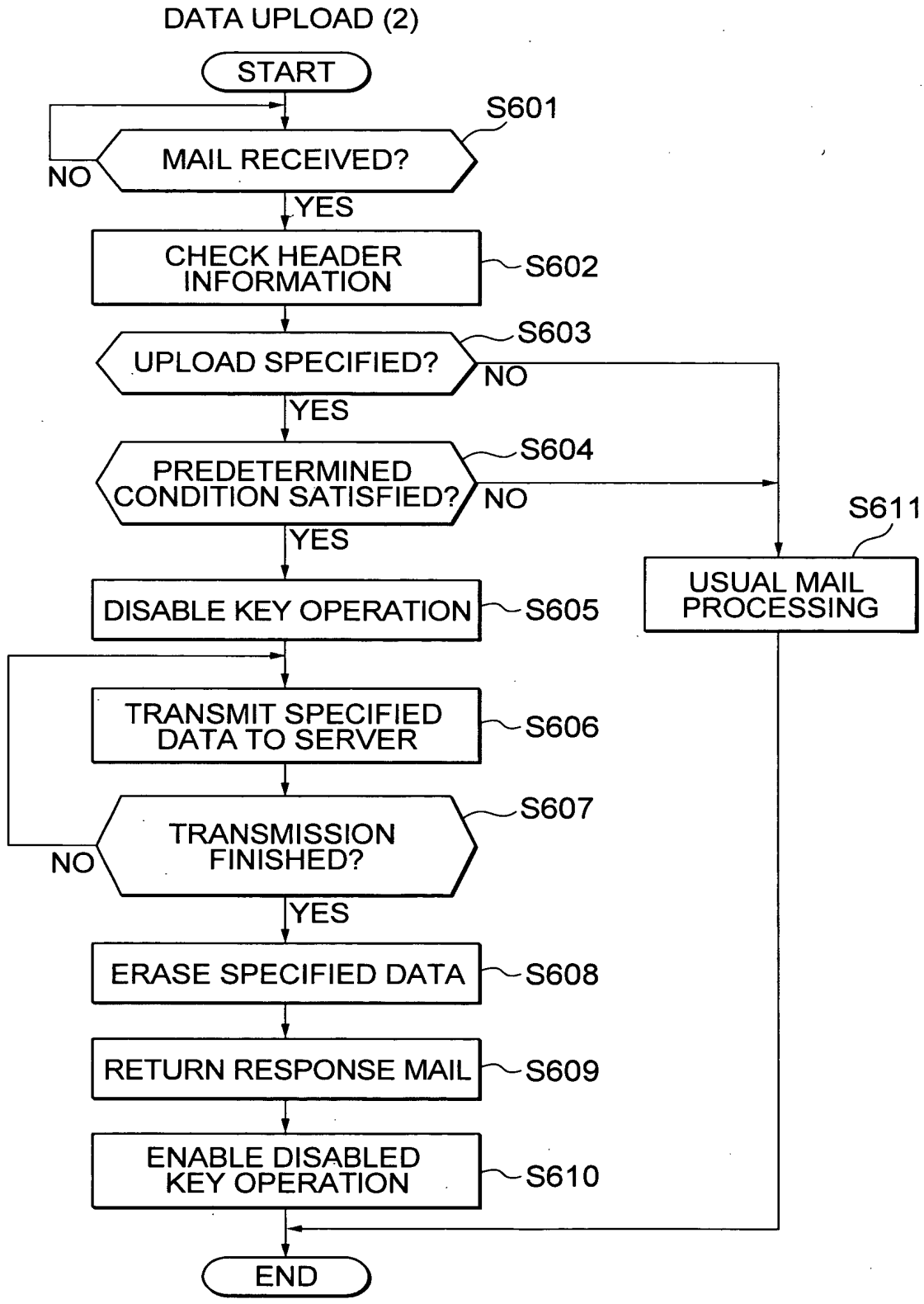

DATA UPLOAD (2)
START
S601
MAIL RECEIVED?
NO
YES
CHECK HEADER INFORMATION
S602
S603
UPLOAD SPECIFIED?
NO
YES
S604
PREDETERMINED CONDITION SATISFIED?
NO
YES
S611
USUAL MAIL PROCESSING
DISABLE KEY OPERATION
S605
TRANSMIT SPECIFIED DATA TO SERVER
S606
S607
TRANSMISSION FINISHED?
NO
YES
ERASE SPECIFIED DATA
S608
RETURN RESPONSE MAIL
S609
ENABLE DISABLED KEY OPERATION
S610
END

FIG. 7

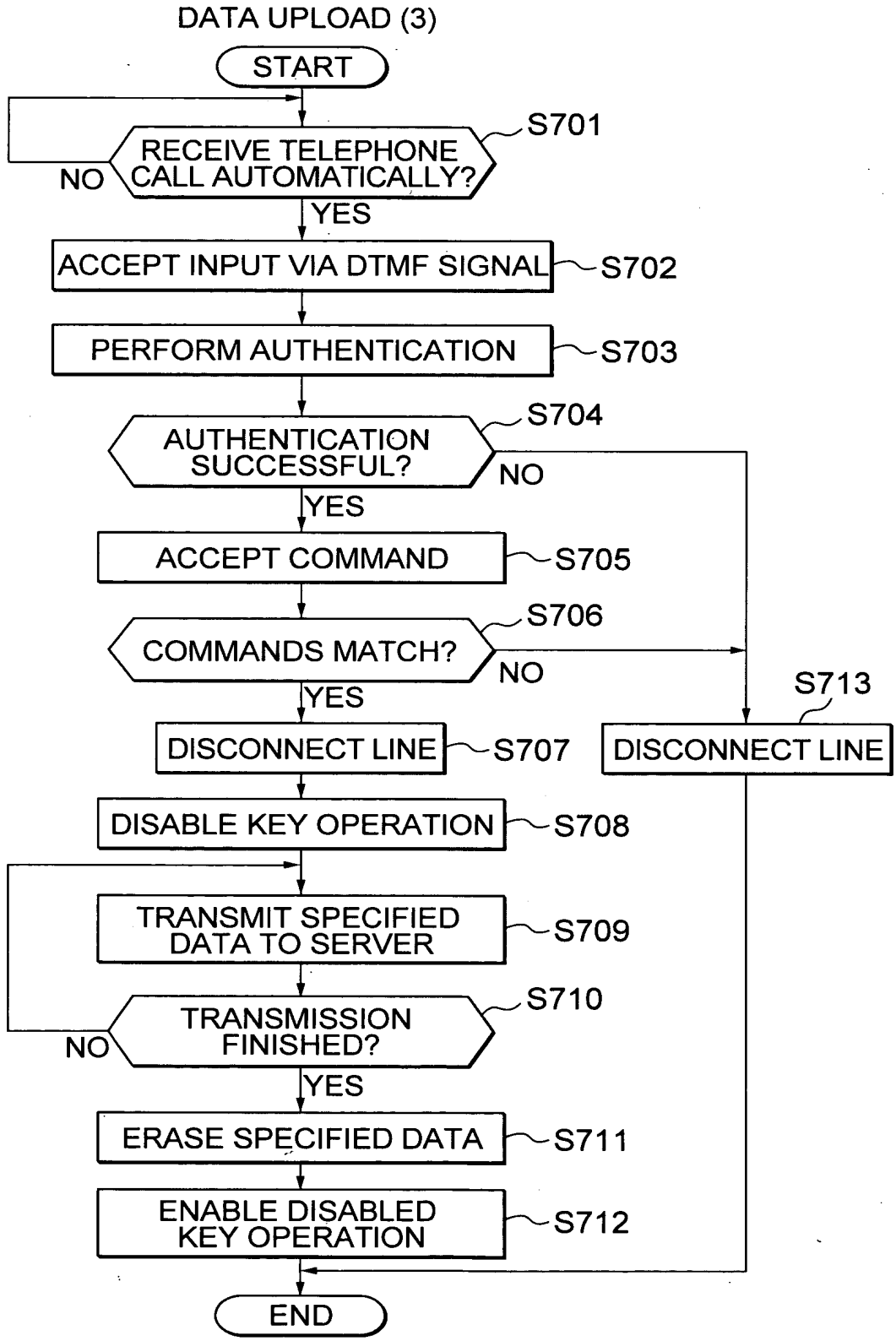

DATA UPLOAD (3)
START
RECEIVE TELEPHONE CALL AUTOMATICALLY?
S701
NO
YES
ACCEPT INPUT VIA DTMF SIGNAL
S702
PERFORM AUTHENTICATION
S703
AUTHENTICATION SUCCESSFUL?
S704
NO
YES
ACCEPT COMMAND
S705
COMMANDS MATCH?
S706
NO
YES
DISCONNECT LINE
S707
DISABLE KEY OPERATION
S708
TRANSMIT SPECIFIED DATA TO SERVER
S709
TRANSMISSION FINISHED?
S710
NO
YES
ERASE SPECIFIED DATA
S711
ENABLE DISABLED KEY OPERATION
S712
DISCONNECT LINE
S713
END

FIG. 8

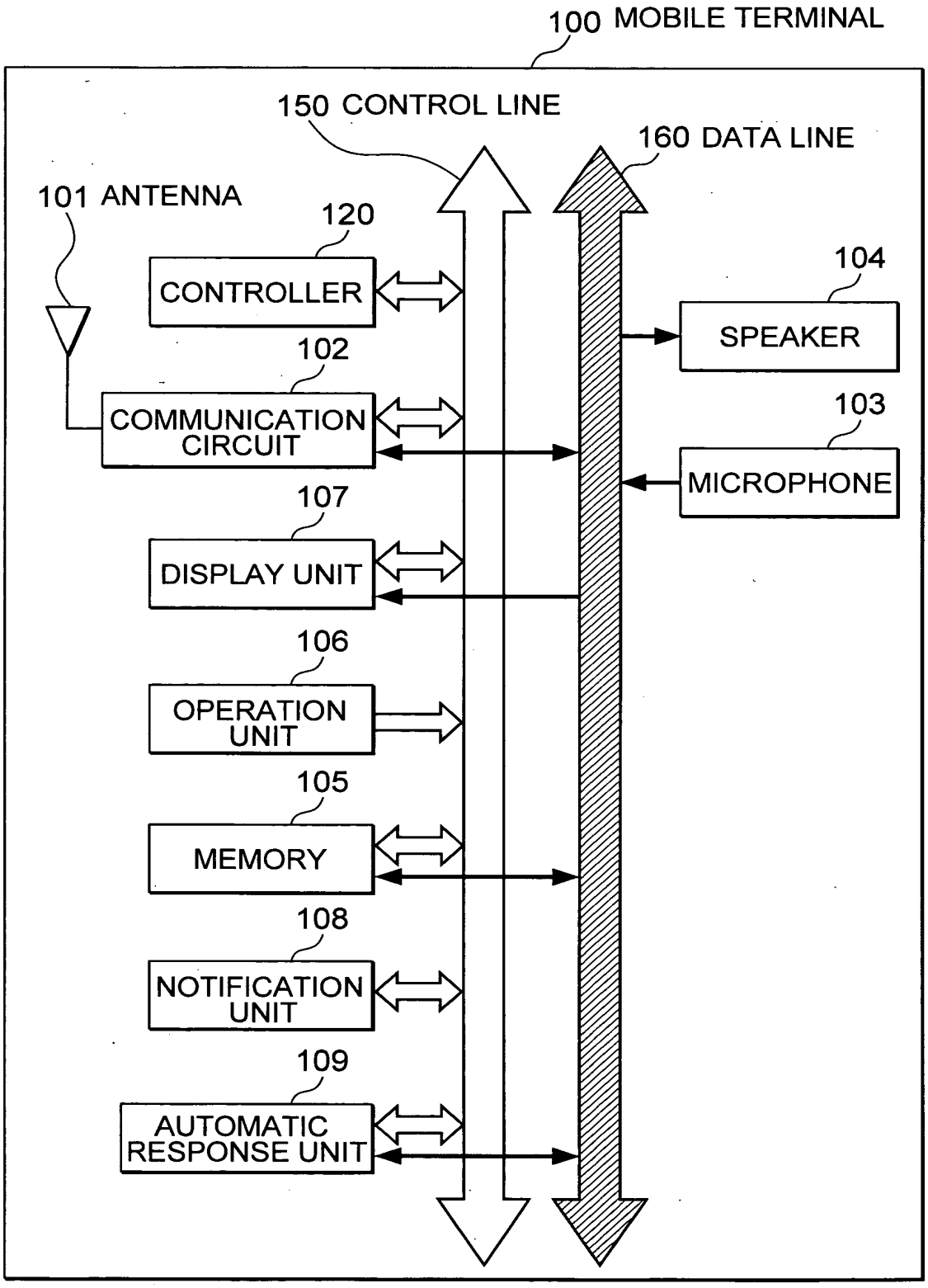
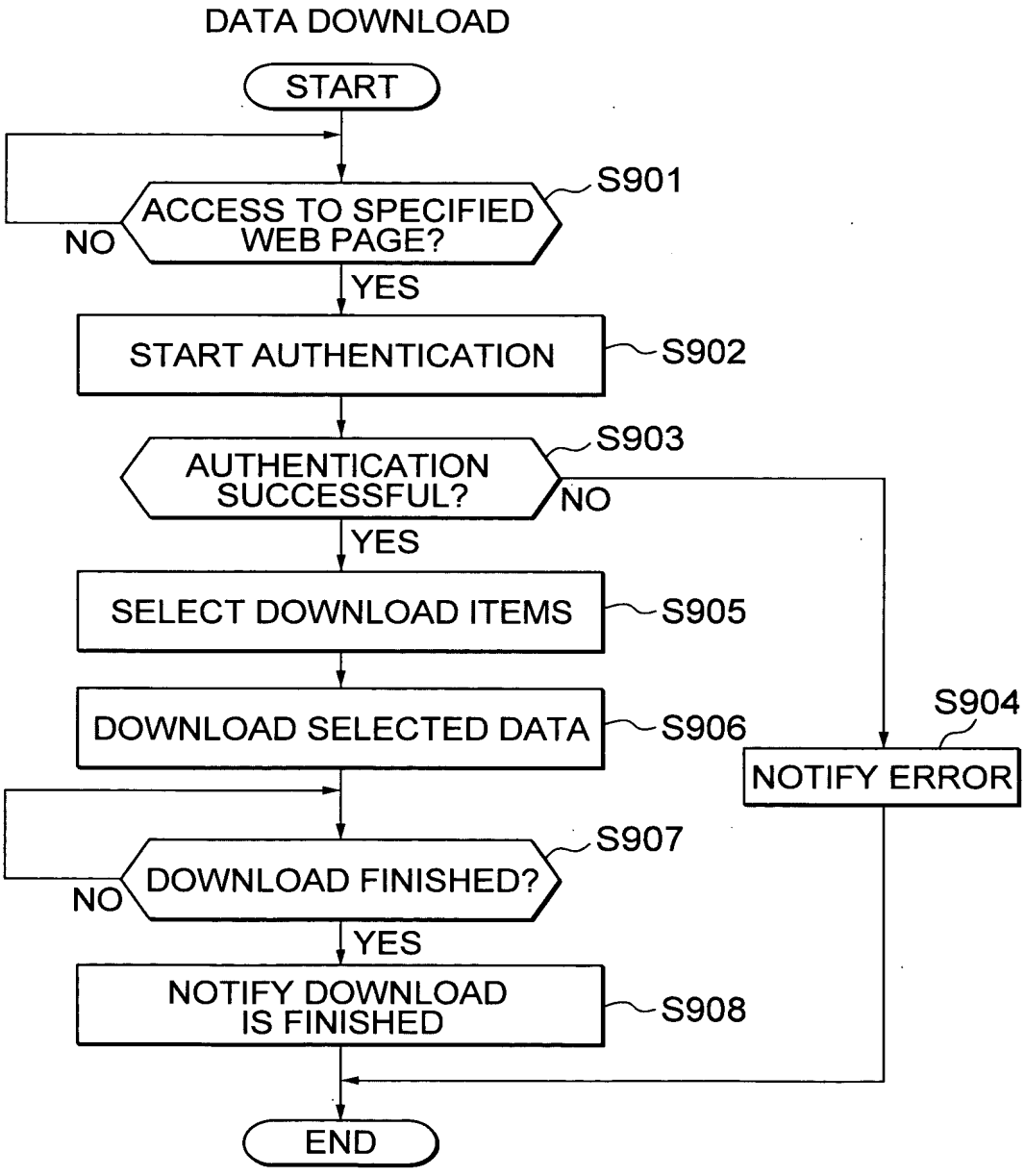

100 MOBILE TERMINAL
150 CONTROL LINE
160 DATA LINE
101 ANTENNA
120
CONTROLLER
104
SPEAKER
102
COMMUNICATION CIRCUIT
103
MICROPHONE
107
DISPLAY UNIT
106
OPERATION UNIT
105
MEMORY
108
NOTIFICATION UNIT
109
AUTOMATIC RESPONSE UNIT

FIG. 9


DATA DOWNLOAD
START
ACCESS TO SPECIFIED WEB PAGE?
S901
NO
YES
START AUTHENTICATION
S902
AUTHENTICATION SUCCESSFUL?
S903
NO
YES
SELECT DOWNLOAD ITEMS
S905
DOWNLOAD SELECTED DATA
S906
S904
NOTIFY ERROR
DOWNLOAD FINISHED?
S907
NO
YES
NOTIFY DOWNLOAD IS FINISHED
S908
END